

Claims

5

10

15

20

25

30

35

40

45

50

55

Claims

1. A device at a package which in its erected state comprises a bottom (2) and hollow walls (3-6) protruding upwards therefrom, which walls each has an internal (12-15) and an external (16-19) wall portion located at a mutual distance while forming a cavity therebetween, and panel portions (20-23), which form upper edges of the walls of the package and which connect the internal and external wall portions to each other, said package being made of a foldable blank having a bottom portion (7); wall assemblies (8-11) protruding therefrom and comprising the internal (12-15) and external (16-19) wall portions and the panel portions (20-23), and an arrangement for locking the package in its erected state, which arrangement comprises one or more locking tips (25, 26, 32, 33), said wall assemblies (8-11) of the blank having flaps (24, 27, 31, 34) at their ends turned away from the bottom portion (7), said package being erected by pivoting the wall assemblies of the blank inwards toward the middle of the package so that the walls are formed and the flaps bear upon the upper side of the bottom portion (7) in the erected state of the package and are located below the panel portions (20-23), characterized in that at a corner formed by two adjoining walls (3-6) extending in an angle toward each other, a locking tip (25, 26, 32, 33) is connected with the internal wall portion (12-15) of a first of the walls by means of a folding line, which locking tip protrudes into the cavity of the other of the walls in the corner and which is arranged to lock the first wall in place by bearing against the inner side of the panel portion (21, 23) of the other wall at a position adjacent to a folding line between the panel portion and the external wall portion (17, 19) associated thereto.
2. A device according to claim 1, characterized in that each of the flaps (24, 27, 31, 34) are arranged to bear against the inside of the external wall portion (16-19) associated thereto by its outer edge.

3. A device according to any previous claim, characterized in that the package has an even number of walls (3-6).

5 4. A device according to any previous claim, characterized in that at a package with four walls (3-6), two opposite (3, 5) of these walls have two locking tips (25, 26, 32, 33) connected with their internal wall portions (12, 14) and located in the cavities of adjoining walls (4, 6) for locking the walls having the locking tips in place by bearing against the inner side of the panel portions
10 (21, 23) of the walls without such locking tips.

5. A device according to any of the claims 1-3, characterized in that the package forms a non-closed construction by having two walls only and a bottom.
15

6. A device according to any previous claim, characterized in that two locking tips (25, 26, 32, 33) received in a cavity of a wall (4, 6) and associated to two adjoining walls (3, 5) have their outer ends in contact with each other and the inner side of the
20 external wall portion (17, 19) of said wall (4, 6), the cavity of which receives the locking tips.

7. A device at a package comprising a bottom (2), walls (3-6) protruding upwards from the bottom and a cover (43), said cover
25 (43) being provided with a folding notch (44) for enabling folding of the cover to a double folded state, in which state the cover is located at one of the walls of the package while leaving mainly the whole room in the package free and while protruding upwards above the upper edge of the walls of the package, and
30 said cover (43) has flaps (76) at two edges extending substantially perpendicularly in relation to the folding notch, above which flaps the folding notch (44) extends so that also the flaps are double folded in the double folded state of the cover and located above two opposite walls of the walls of the package,
35 characterized in that the flaps (76) protrude into the interior of the package in the closed position of the cover and that the

flaps (76) extend along substantially the whole length of the edges of the cover (43), which edges extend substantially perpendicularly to the folding notch (44).

5 8. A device according to claim 7, characterized in that the cover (43) has a cut (45), the ends of which connect to the folding notch and the extension of which is different from the folding notch for providing the outline of the cover desired in its double folded state when double folding the cover.

10

9. A device according to claim 8, characterized in that the cut (45) is substantially semicircular.

15 10. A device according to any of claims 7-9, characterized in that the cover (43) forms a part of an attachment (46) placeable in the package.

20 11. A device according to claim 10, characterized in that the attachment (46) and the package (1) comprise locking means (51, 52; 54, 55) co-operating for locking the attachment in a first state, in which the cover is closed, and in another state, in which the cover is double folded.

25 12. A device according to any of the claims 10 and 11, characterized in that the attachment unit has a bottom portion (47) for placing against the bottom (2) of the package and a panel element (48) connecting the bottom portion and a cover portion of the attachment, which panel element extends along and close to one of the walls of the package when the attachment is placed
30 in the package.

13. A device according to claim 12, characterized in that either the panel element (48) or the package (1) has a recess (49, 55) and that a first locking tip (50, 54) designed in the adjoining wall
35 of the package or in the panel element is introducable in the recess for locking purposes.

14. A device according to claim 11, characterized in that the looking means for looking the attachment (46) in its first state, in which the cover (43) is closed, comprise a second locking tip (51) on the attachment or the package for engagement with a second recess (52) on the package or the attachment.

15. A device according to claim 13, characterized in that the attachment (46) has a third locking tip (54) arranged to engage with recesses (49, 55) arranged in the panel element (48) and one of the walls of the package in the double folded state of the cover for holding the cover in its double folded state.

16. A device at a package comprising a bottom (2'), walls protruding upwards from the bottom and a cover (43'), characterized in that the cover forms part of an attachment (46') placeable in the package, in that this attachment has a bottom portion (47') and means (56, 57) for locating this bottom portion at a distance above the bottom of the package so that a double bottom is created, in that the attachment unit (46') forms the cover by means of two cover panels (61, 62) arranged at a mutual distance, which cover panels are pivotable with respect to each other as well as in relation to the rest of the attachment, and in that at least one of the cover panels (61, 62) has a locking tip (65, 69, 75), which automatically moves into locking engagement with a recess (66, 76) in the package when pivoting the present cover panel towards the closed position and which moves out of the locking engagement when pivoting the present cover panel towards the open position.

17. A device according to claim 16, characterized in that the bottom portion (47') of the attachment is connected with the panels (61, 62) forming the cover through a panel element (63) arranged to extend parallel and close to one of the walls of the package when the attachment unit is located in the package.

18. A device according to any of the claims 16 or 17, characterized in that the bottom portion (47') of the attachment has one or more tips (49) for locking/holding engagement with corresponding recesses (60) in the package.

5